

# UNC93B1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13109

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9H1C4</a>
<b>Other Accession</b>	<a href="#">NM_030930</a> , <a href="#">NP_112192</a>
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Guinea Pig, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	66631

## Additional Information

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<b>Gene ID</b>	81622
<b>Alias Symbol</b>	MGC126617, UNC93, UNC93B, IIAE1, Unc-93B1
<b>Other Names</b>	Protein unc-93 homolog B1, Unc-93B1, hUNC93B1, UNC93B1, UNC93, UNC93B
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 100 ul of distilled water. Final anti-UNC93B1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	UNC93B1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	UNC93B1 ( <a href="#">HGNC:13481</a> )
<b>Synonyms</b>	UNC93, UNC93B
<b>Function</b>	Plays an important role in innate and adaptive immunity by regulating nucleotide-sensing Toll-like receptor (TLR) signaling. Required for the transport of a subset of TLRs (including TLR3, TLR7 and TLR9) from the endoplasmic reticulum to endolysosomes where they can engage pathogen nucleotides and activate signaling cascades. May play a role in autoreactive B-cells removal.
<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein. Endosome

Lysosome. Cytoplasmic vesicle, phagosome Note=Relocalizes from endoplasmic reticulum to endosome and lysosome upon cell-stimulation with CpG dinucleotides (By similarity) Colocalizes with LAMP5 in large endosomal intracellular vesicles {ECO:0000250, ECO:0000269 | PubMed:18082565, ECO:0000269 | PubMed:21642595}

#### Tissue Location

Expressed in plasmacytoid dendritic cells (at protein level). Highly expressed in antigen-presenting cells. Expressed in heart, and at lower level in kidney. Expressed at low level in other tissues.

## References

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Kashuba V.I.,et al.Gene 283:209-217(2002).  
Taylor T.D.,et al.Nature 440:497-500(2006).  
Kollewe A.,et al.Thesis (2001), University of Hannover, Germany.  
Olsen J.V.,et al.Cell 127:635-648(2006).  
Casrouge A.,et al.Science 314:308-312(2006).

## Images

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WB Suggested Anti-UNC93B1 Antibody Titration: 5.0µg/ml  
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.